

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,039,528 B2  
APPLICATION NO. : 10/710702  
DATED : May 2, 2006  
INVENTOR(S) : Ming Gao et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1

Line 30, after "a", delete "Level I" and insert therefor --Level II--.

Column 3

Line 23, after "length", delete "a" and insert therefor --a<sub>o</sub>--.

Line 24, after "at", delete "a<sub>i</sub>" and insert therefor --a<sub>i</sub>--.

Line 26, after "σ<sub>i</sub>", insert -----.

Line 36, after "length", delete "α" and insert therefor --a--.

Line 55, after "G" insert --<sub>οi</sub>--.

Lines 59-60, after "and", delete "α" and insert --a--.

Column 4

Line 18, after "as", delete "J app" and insert therefor --Japp--.

Line 22, after "tearing", delete "instabilapp ity" and insert therefor --instability--.

Line 57, after "Δ", delete "α" and insert therefor --a--.

Line 58, after "length", delete "α" and insert therefor --a--.

Line 66, after "ratio", delete "L , " and insert therefor --L<sub>r</sub>--.

Column 5

Lines 1-2, after "of", (second occurrence), delete "apref plied" and insert therefor --applied--.

Lines 8-9, after "(J-R)", delete "mat".

Line 9, after "Δ", delete "α" and insert therefor --a--.

Line 25, after "length", delete "α" and insert therefor --a--.

Column 6

Line 6, after "that", delete "aJ-R" and insert therefor --a J-R--.

Column 7

Line 20, after "crack", delete "depth<60%" and insert therefor --depth < 60%--.

Lines 41-42, after "or", delete "vice-versa" and insert therefor --vice-versa--.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 8.

Line 44, after "a", delete "fraction" and insert therefor --function--.

Signed and Sealed this

Fifth Day of December, 2006



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*